

WHAT IS CLAIMED IS:

1. A method for displaying a representation of at least one image in an application program in a computer having a graphical user interface, comprising:
 - storing at least a first image data set and a second image data set for each at least one image, wherein the first image data set is of a different resolution than the second image data set;
 - using the stored first image data set to display the at least one image in the graphical user interface; and
 - moving the at least one displayed image using the graphical user interface, and while moving, using at least the stored second image data set to display the image in the graphical user interface.
2. The method of claim 1, wherein the resolution of the first image data set is higher than the resolution of the second image data set.
3. The method of claim 1, wherein the resolution of the first image data set is determined in accordance with a magnification of the displayed at least one image.
4. The method of claim 1, wherein moving the at least one displayed image comprises moving the at least one displayed image smoothly and continuously.
5. The method of claim 1, wherein moving the at least one displayed image comprises scrolling.
6. The method of claim 1, wherein the at least one displayed image is moved by a user interfacing with the graphical user interface.
7. The method of claim 1, wherein at least one of the first or second image data sets for each at least one image is in a memory mapped format.

8. The method of claim 1, wherein at least one of the first or second image data sets for each at least one image is uncompressed.
9. The method of claim 1, further comprising, prior to storing the image data sets, processing the at least one image to form the image data sets for each at least one image.
10. The method of claim 9, wherein processing occurs when the at least one image is associated with the application program.
11. The method of claim 1, wherein the stored image data sets are transferred to the application program.
12. The method of claim 1, wherein at least one of the first and second image data sets for each at least one image comprises a full resolution version of the image.
13. A method for displaying a representation of each of a plurality of images in an application program in a computer having a graphical user interface, comprising:
 - storing at least three or more image data sets for each of the plurality of images, wherein the image data sets for each of the plurality of images are all of differing resolutions;
 - using a first of the image data sets for each of the plurality of images to display the plurality of images in the graphical user interface; and
 - moving the plurality of displayed images using the graphical user interface, and while moving, querying an image data set for each of the plurality of images different from the first image data set to display the image in the graphical user interface.
14. The method of claim 13, wherein the resolution of the first image data sets for each of the plurality of images is higher than the queried image data sets.

15. The method of claim 13, wherein the resolution of the first image data sets are determined in accordance with a magnification of the displayed plurality of images.
16. The method of claim 13, wherein moving the plurality of displayed images comprises moving the plurality of displayed images smoothly and continuously.
17. The method of claim 13, wherein moving the plurality of displayed images comprises scrolling.
18. The method of claim 13, wherein the plurality of displayed images are moved by a user interfacing with the graphical user interface.
19. The method of claim 13, wherein at least one of the image data sets for each of the plurality of images is in a memory mapped format.
20. The method of claim 13, wherein at least one of the image data sets for each of the plurality of images is uncompressed.
21. The method of claim 13, further comprising, prior to storing the image data sets, processing the plurality of images to form the image data sets for each of the plurality of images.
22. The method of claim 21, wherein processing occurs when the plurality of images are associated with the application program.
23. The method of claim 13, wherein the stored image data sets are transferred to the application program.

24. The method of claim 13, wherein the queried image data sets for each of the plurality of images depends on a speed at which the plurality of images are moved.
25. The method of claim 13, wherein at least one of the image data sets for each at least one image comprises a full resolution version of the image.
26. A method for displaying a representation of at least one image in an application program in a computer having a graphical user interface, comprising:
storing at least three or more image data sets for each at least one image,
wherein the image data sets for each at least one image are all of differing resolutions;
selecting one of a plurality of magnification levels for the at least one image;
and
querying one of the image data sets in accordance with the selected magnification level to display the at least one image in the graphical user interface.
27. The method of claim 26, wherein at least one of the image data sets for each at least one image is in a memory mapped format.
28. The method of claim 26, wherein at least one of the image data sets for each at least one image is uncompressed.
29. The method of claim 26, further comprising, prior to storing the image data sets, processing the at least one image to form the image data sets for each image.
30. The method of claim 29, wherein processing occurs when the at least one image is associated with the application program.

31. The method of claim 26, wherein the stored image data sets are transferred to the application program.
32. The method of claim 26, wherein a number of the plurality of magnification levels equals a number of the plurality of image data sets for each at least one image.
33. The method of claim 26, wherein a number of the plurality of magnification levels is greater than a number of the plurality of image data sets for each at least one image.
34. The method of claim 26, wherein at least one of the image data sets for each at least one image comprises a full resolution version of the image.
35. A method for processing at least one image for eventual display in an application program accessible by a graphical user interface, comprising:
 associating the at least one image with a first program; and
 upon associating the at least one image, automatically processing the at least one image to form and store three or more image data sets for each at least one image, wherein the image data sets for each at least one image represent differing resolutions of the at least one image.
36. The method of claim 35, wherein at least one of the image data sets for each at least one image is in a memory mapped format.
37. The method of claim 35, wherein less than all of the image data sets for each at least one image are in a memory mapped format.
38. The method of claim 35, wherein at least one of the image data sets for each at least one image is uncompressed.

39. The method of claim 35, wherein less than all of the image data sets for each at least one image are uncompressed.
40. The method of claim 35, wherein the at least one image is associated when loaded into the application program.
41. The method of claim 35, wherein at least one of the image data sets for each at least one image comprises a full resolution version of the image.
42. The method of claim 35, wherein the first program comprises the application program.
43. A computer-readable medium containing a program for performing a method for displaying a representation of at least one image in a computer having a graphical user interface, the method comprising:
- storing at least a first image data set and a second image data set for each at least one image, wherein the first image data set is of a different resolution than the second image data set;
 - using the stored first image data set to display the at least one image in the graphical user interface; and
 - moving the at least one displayed image using the graphical user interface, and while moving, using at least the stored second image data set to display the image in the graphical user interface.
44. The computer-readable medium of claim 43, wherein the resolution of the first image data set is higher than the resolution of the second image data set.
45. The computer-readable medium of claim 43, wherein moving the at least one displayed image comprises moving the at least one displayed image smoothly and continuously.

46. The computer-readable medium of claim 43, wherein moving the at least one displayed image comprises scrolling.
47. The computer-readable medium of claim 43, wherein at least one of the first or second image data sets for each at least one image is in a memory mapped format.
48. The computer-readable medium of claim 43, wherein at least one of the first or second image data sets for each at least one image is uncompressed.
49. The computer-readable medium of claim 43, wherein the at least one image is processed when loaded into the program.
50. The computer-readable medium of claim 43, wherein at least one of the first and second image data sets for each at least one image comprises a full resolution version of the image.
51. The method of claim 43, where the method further comprises, prior to storing the image data sets, processing the at least one image to form the image data sets for each at least one image.
52. The method of claim 51, wherein processing occurs when the at least one image is associated with the application program.
53. The method of claim 43, wherein the method further comprises transferring the stored image data sets to the application program.
54. A computer-readable medium containing a program for performing a method for displaying a representation of at least one image in a computer having a graphical user interface, the method comprising:

storing at least three or more image data sets for each at least one image,
wherein the image data sets for each at least one image are all of differing
resolutions;
selecting one of a plurality of magnification levels for the at least one image;
and
querying one of the image data sets in accordance with the selected
magnification level to display the at least one image in the graphical user
interface.

55. The computer-readable medium of claim 54, wherein at least one of the image data sets for each at least one image is in a memory mapped format.

56. The computer-readable medium of claim 54, wherein at least one of the image data sets for each at least one image is uncompressed.

57. The computer-readable medium of claim 54, wherein the at least one image is processed when loaded into the program.

58. The computer-readable medium of claim 54, wherein a number of the plurality of magnification levels equals a number of the plurality of image data sets for each at least one image.

59. The computer-readable medium of claim 54, wherein a number of the plurality of magnification levels is greater than a number of the plurality of image data sets for each at least one image.

60. The computer-readable medium of claim 54, wherein at least one of the image data sets for each at least one image comprises a full resolution version of the image.

61. The method of claim 54, wherein the method further comprises, prior to storing the image data sets, processing the at least one image to form the image data sets for each image.
62. The method of claim 61, wherein processing occurs when the at least one image is associated with the application program.
63. The method of claim 54, wherein the method further comprises transferring the stored image data sets to the application program.
64. A computer-readable medium containing a program for performing a method for processing at least one image for eventual display in an application program accessible by a graphical user interface, the method comprising:
 associating the at least one image with a first program; and
 upon associating the at least one image, automatically processing the at least one image to form and store three or more image data sets for each at least one image, wherein the image data sets for each at least one image represent differing resolutions of the at least one image.
65. The computer-readable medium of claim 64, wherein at least one of the image data sets for each at least one image is in a memory mapped format.
66. The computer-readable medium of claim 64, wherein less than all of the image data sets for each at least one image are in a memory mapped format.
67. The computer-readable medium of claim 64, wherein at least one of the image data sets for each at least one image is uncompressed.
68. The computer-readable medium of claim 64, wherein less than all of the image data sets for each at least one image are uncompressed.

69. The computer-readable medium of claim 64, wherein the at least one image is processed when loaded into the program.

70. The computer-readable medium of claim 64, wherein at least one of the image data sets for each at least one image comprises a full resolution version of the image.

71. The method of claim 64, wherein the first program comprises the application program.